



Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA



Department of Toxic Substances Control

Maureen F. Gorsen, Director
8800 Cal Center Drive
Sacramento, California 95826-3200



Arnold Schwarzenegger
Governor

Charles H.

February 6, 2006

Mr. Michael O'Brien
9 CES/CEVR
6601 B Street
Beale Air Force Base, California 95903-1708

CONCURRENCE: FINAL SITE 8 SOIL VAPOR EXTRACTION (SVE) AND BIOVENT SYSTEM INTERIM REMEDIAL ACTION CONSTRUCTION REPORT, BEALE AIR FORCE BASE, YUBA COUNTY

Dear Mr. O'Brien:

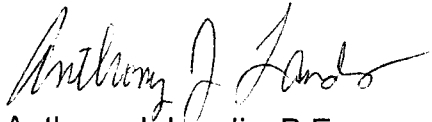
The California Department of Toxic Substances Control (DTSC) has reviewed the *Final Site 8 SVE & Biovent System Remedial Action Summary Report*, (Final Report) submitted October 5, 2005. The Final Report summarized field activities associated with constructing, startup, monitoring, and operating and maintaining a SVE system and a Biovent system at Site 8, the former J-57 Engine Test Cell located at the northern end of the flightline. DTSC's Project Manager, Mr. Terry Escarda, concurred with the Draft Report, submitted August 30, 2005, on October 3, 2005 via e-mail, and recommended finalization. DTSC concurs with the Final Report's conclusions that the system is operating successfully.

The Final Report noted that 22 wells (nine dual completion Vapor Monitoring Points, two dual completion Vapor Extraction Wells, and two dual completion vents) were installed, typically at about 45 - 30 feet below ground surface (bgs) and 75 - 60 bgs, although a hard pan layer at 70 feet required that some sampling and screen interval installation be deeper. Fifty-four soil core samples Total Petroleum Hydrocarbon (TPH), D, G and six Poly-Aromatic Hydrocarbons (PAH), 54 encore soil samples Volatile Organic Compounds (VOCs), and 44 soil vapor samples were obtained. Contaminants of concern include VOCs, particularly Trichloroethylene (TCE), toluene, benzene and TPH. The system flow rates are approximately 90 standard cubic feet per minute (scfm) for the Biovent System (maximum) and 400 - 550 scfm for the SVE System. Soil vapors are treated by two Vapor Phase Granular Activated Carbon (VGAC) vessels in series. The SVE system was started in early January 2005, shut down in late January 2005 because of flow restriction in the lag VGAC vessel, and restarted in April 2005. It has operated since then except for In-Situ Respiration tests for the Biovent System.

Mr. Michael O'Brien
February 6, 2006
Page 2

If you have any questions or concerns regarding this letter, please contact
Mr. Terry Escarda of my staff at (916) 255-3714 or via e-mail at tescarda@dtsc.ca.gov.

Sincerely,



Anthony J. Landis, P.E.
Chief
Northern California Operations
Office of Military Facilities

cc: Mr. Gerald Vogt
CH2M Hill
2525 Air Park Drive
Redding, California 96001-2443

Ms. Tricia Carter
CH2M Hill
2525 Air Park Drive
Redding, California 96001-2443

Ms. Ton Vorster
Regional Water Quality Control Board
Central Valley Region
3443 Routier Road, Suite A
Sacramento, California 95827-3003

Mr. Robert Reeves
Regional Water Quality Control Board
Central Valley Region
3443 Routier Road, Suite A
Sacramento, California 95827-3003

Mr. Terry Escarda
Office of Military Facilities
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826-3200